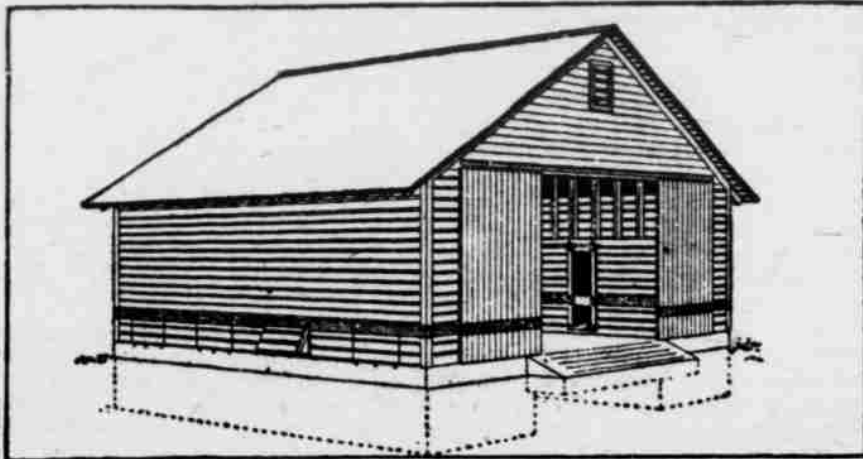


THOROUGH VENTILATION OF CORN CRIB



Perspective of Rat-Proof Corn Crib, Showing Concrete Foundation by Dotted Lines.

As a result of many requests for information regarding a building of this sort, specialists in rural engineering in the United States department of agriculture have worked out plans for a corn crib that will both aid in the drying of corn and protect it from rats. As the accompanying drawings show, there are really two cribs in the complete structure, each 32 by 8 feet, with a capacity of 1,000 bushels. If desired, however, only one of the cribs may be put up at first and the construction of the other left to a more convenient time.

The two cribs are separated by a driveway 12 feet wide, and the whole is covered by a gable roof. The driveway floor may be of concrete or dirt. If the ground is well drained, a dirt floor in the driveway will answer very well. If the floor is of concrete, it will also serve as a feeding floor for hogs. A wood floor should not be used, as it would harbor rats.

The details of construction can be used in building cribs of greater or less dimensions or of a different type. The devices for ventilating and rat proofing can be used in new cribs or in remodeling old structures.

As the plan shows, a concrete foundation is put in for all of the walls. This foundation should extend from below the frost level to 6 inches above ground for the outer wall and to 8 inches above for the inner wall. The space between the foundation walls should be filled in with well-tamped cinders or gravel, and on top of this base a concrete floor laid. The difference in height above ground between the inner and the outer concrete foundations will give a 2-inch pitch to the floor toward the outer edge and thus drain off water that may beat through the walls of the crib. The cinders or gravel underneath the floor prevent moisture rising from the ground through capillary action. The floor itself should be constructed of 4 inches of re-enforced concrete, with the surface troweled to a smooth finish.

If a concrete driveway is decided upon, 6 inches of gravel or cinder floor should be first tamped down and a 4-inch concrete floor with a float finish laid on top.

The iron sockets or joist hangers, which can readily be obtained on the market, should be set in while the concrete floor is being laid. As the drawings show, the studs themselves should be 2 by 6 inches. To these nailed siding for the outer walls. This siding consists of 1 by 6 inch boards with both upper and lower edges beveled at an angle of 45 degrees. They should be set about 1 1/2 inches apart. This permits free entry of air, while the beveled edges lessen the danger of rain beating into the crib. However, the beveled edges are not absolutely necessary. In the complete structure the siding on the walls facing the driveway need not be beveled, as there is no necessity for protection from rain here. On these sides, too, the siding boards should not be carried higher than 6 1/2 feet. This permits the crib to be filled by throwing the corn over the boards. If the quantity of corn on hand is sufficient to fill the

Marketing Live Stock.

"Every farmer should market his own live stock." This is to be the slogan of the extension work in Minnesota during the coming winter. There are about 200 live stock shipping associations in Minnesota. There should be three or four times as many. Through a co-operative association which is well organized and managed, the farmers can market their own stock to the very best advantage.

Best Trees for Fire Wood.

The man who burns up his post timber in the winter should have no sympathy when he is searching for trees suitable for posts and cannot find them. All gnarled and knotty trees, all crooked and deformed trees, and all partly dead trees should be used up first. This gives room for the good timber to grow larger and gives the woodlot a good appearance.

Best Place for Cabbages.

A cool cellar is the best place for cabbages. Hang them up or wrap them in paper and lay on shelves.

crib above this point, additional siding boards can be hung on 20-penny spikes driven into the inner side of the studs. The boards have holes at proper intervals to fit over the spikes and are held in place by the pressure of the corn.

The rat-proofing is an important feature of the design which the farmer can not afford to neglect. One-half inch mesh wire netting is put on all sides of the crib between studs and siding and carried to a height of 30 inches above the ground or above the floor of the driveway. At the top of the wire a strip of 8-inch galvanized iron should be nailed to the outside of the siding. The bottom of the galvanized iron is 2 inches lower than the top of the wire, making a total height for the wire and iron strip of 36 inches all around. This galvanized iron strip will halt any rats that may climb up the walls. The rat-proofing is put on the drive side of cribs so that if the doors are left open rats will still be unable to get at the corn. Care should be taken not to leave any objects near the walls which would enable a rat to jump above the rat-proofing.

Provision is made for 4 drag doors on the outer side of each crib and 2 rolling doors on the inside. The drag doors are so designed that corn will roll out of them on to the conveyor belt of a sheller. The rolling doors on the inside are for access to the crib. They should consist of a frame completely filled with wire netting, with a galvanized iron strip at the same height as on the wall. The drag doors are made of siding nailed to cleats with the wire mesh between.

Movable inverted troughs of slats are placed on the floor lengthwise of the cribs. These are in sections to facilitate handling and are designed to increase the circulation of air through the corn. As a further aid to circulation of air, movable shafts may be placed at the side or on top of the troughs. The shafts are constructed of 1 by 3 inch vertical strips nailed to frames made of 1 by 2 inch stuff. In order to hold the shafts in place while the cribs are being filled, they may be tacked to the crosspieces overhead. The number of shafts to be used will depend upon the amount of moisture in the corn.

As has already been said, however, some of the fundamental principles involved, the rat-proofing, the ventilation, and the protection against ground moisture, may be employed advantageously in smaller buildings.

Complete working drawings for this crib may be obtained from the office of public roads and rural engineering of the department. A bill of materials to enable those interested in the matter to form some idea of the probable expense in their locality of erecting the structure will also be furnished on request.

Vegetables in Home Garden.

The home garden should aim to produce as great a variety of high quality of vegetables for the farmer's table as possible. The supply should be liberal, uniform and constant.

Advantage of Spreader.

A good reason why the manure spreader is advantageous is because a man who has his money invested in an implement of this sort will take better care of the manure on the farm. He will not allow it to lie around and leach, but will get it back on to the field where it should be placed.

Making Good Hog Pasture.

The following all make good hog pasture: Rye, wheat, vetch, crimson clover, red or mammoth clover, Canada peas, cowpeas, soy beans, sweet corn, sorghum, field corn, rape, alfalfa and artichokes.

Benefits of Paint.

A few dollars worth of paint will add many dollars to the actual value of the farm buildings, besides the great satisfaction of improving the appearance of the farmstead so markedly.

Spray for San Jose Scale.

Any San Jose scale in your orchard? If so, spray the trees with lime-sulphur mixture after the leaves fall.

WESTERN CANADA'S
WONDERFUL YIELD

Wheat Yields Reports Extraordinarily Heavy.

When one hears of individual wheat yields of thirty-five to forty bushels per acre, there is considerable incredulity, but when yields, in whole townships extending into districts covering three and four and five hundred square miles in area, of upwards of fifty and some as high as sixty-five bushels per acre are reported, one is led to put his ear to the ground to listen for further rumblings. The writer having heard of these wonderful yields made a trip through the provinces of Manitoba, Saskatchewan and Alberta, to ascertain first hand their truthfulness. It was remarkable to discover that Dame Rumor was no rimmer after all, that modesty was her mantle, that all that had been said of these yields was true, and that yields of over seventy bushels per acre were told of. These were so high that the truthfulness of the story was doubtful and very little was said of them. But such there were, and not in one instance, but in several, not in one locality but scattered in places hundreds of miles apart. Leaving these out altogether, there were large areas in which the average was over fifty bushels per acre, which in all common sense ought to satisfy most people. One hundred and thirty threshers in Alberta have made their returns to the local government as required by an act of the Legislature, and the average of the wheat threshed was fifty-three bushels to the acre. So immense was the yield that official verification was required before giving it out to the public. Sitting in the smoking compartment of a day coach, where on passing through a farming community, there may be gathered the gossip yarns of the neighborhood, one hears also a lot of news. Just now, the sole topic is that of the crops. A man with more or less of a hirsute appendage, smock, clothes and hands giving the appearance of one working in the field, was asked as to the crops. He had got on at Warner, Alberta. Taking out his pipe, lighting it and then crossing his knees, holding his chin in his hands, possessing an air of supreme contentment, and with an intelligent face, he looked upon the writer and gave some information. "I was just the man. He was a thresher and on his way to Milk River to secure some more help. He was requisitioned for information. 'Yes, a good season, I've made a lot of money. As for yields, let's see,' and then he began to string them off. 'Peterson had 63 bushels of wheat per acre on his five hundred acre farm; from 380 acres Roland got 65 bushels per acre; Bugler had one hundred and ten acres that went 63 bushels; Carr had 65 bushels per acre off an eight hundred acre field.' And he gave others running from 58 to 66 bushels per acre. All these people lived east of Warner, Alberta. Looking out of the window and seeing immense fields, still covered with stocks he was asked why they were not threshed, he replied that there were not enough 'rigs' in the district, and that they would not get through before Christmas.

An American writing of a trip he made through Western Canada says: "I went as far west as Saskatoon, back to Regina, Moose Jaw, and down on the Soo line, and I must say that I never saw such crops, or ever heard of anything to compare with it in any country on earth. The country is over the hill, and certainly the farmers have a lot to be thankful for. There are very few of them that have done their work and done it properly but what have their debts paid and have bank accounts left." And he only traveled the skirt of the country. The same story could be written of any part of any of three Provinces.—Advertisement.

Tommy's Congratulations.
Officer (to recruit who has failed to salute him)—Don't you know who I am? I'm an officer.
Recruit—You're lucky. I'm a bloomin' private!—London Opinion.

Daughter's Idea.

Mrs. Brown was in the habit of introducing her big daughter as, "This is Jane; she is only fifteen—you'd never think it would you?"

At last the girl protested. "It's mean of you to tell everybody how young I am. I could have a lot better time if you didn't."

"Perhaps you could. But I don't propose to have people saying, after you've been out in society a couple of seasons, 'Don't tell me Jane Brown is only twenty—why, she was a grown girl years ago.'"

"Just the same," retorted the daughter, "you wouldn't like it if I introduced you to my friends as, 'This is my mother. She's only forty-eight—you wouldn't think it, would you?'"—Judge.

BEST WAY TO CURE
COLD IN CHEST

Doctors advise not to allow cold in chest or sore throat to hang on. Pneumonia oftentimes results. The minute your chest or throat shows signs of soreness rub on true Mustarine, which only costs about 25 cents, and which any druggist can give you in the original yellow box.

The Begy Medicine Co. of Rochester, N. Y., makes true Mustarine, and it ends cold in chest overnight.—Adv.

Where He Got It.

Coach—Jones, you look like the "find" of the season. The way you hammer the line, dodge, slug your man and worm through your opponents is marvelous. You must have played considerable, haven't you?

Candidate for Football Team—No; it's my early training. You see, my mother used to take me shopping with her on bargain days.—Judge.

Whenever You Need a General Tonic
Take Grove's

The Old Standard Grove's Tasteless chill Tonic is equally valuable as a General Tonic because it contains the well known tonic properties of QUININE and IRON. It acts on the Liver, Drives out Malaria, Enriches the Blood and Builds up the Whole System. 50 cents.

Boy Wanted.

"Mr. Jones," said the boss, "I want you to put an ad in the papers for an office boy with a hare lip."

"With a hare lip, sir?"

"Yes. I want one who can't whistle."

Important to Mothers.

Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it bears the

Signature of *Dr. J. C. Fletcher*. In Use For Over 30 Years. Children Cry for Fletcher's Castoria

Great Help.

"Did you have anyone to help you when you were hanging the pictures?"

"Oh, yes. My wife stood around and asked me what I was swearing at."

Not Gray Hairs but Tired Eyes.

make us look older than we are. Keep your Eyes young and you will look young. After the Murine Eye Remedy Co., Chicago, Sends Eye Book on request.

Exactly.

"What do you think of the idea of punishing children by electricity?"

"Shocking!"

Dr. Pierce's Pleasant Pellets are the original little liver pills put up 40 years ago. They regulate liver and bowels.—Adv.

And lots of singers would never get a hearing if they were not members of a volunteer church choir.

Always sure to please, Red Cross Ball Blue. All grocers sell it. Adv.

And many a man who tries to live right gets left.

Asthma-Catarrh
and Bronchitis

Can Be Greatly Relieved by the New External Vapor Treatment.

Don't take internal medicines or habit-forming drugs for these troubles. Vick's "Vapo-Rub" Salve is applied externally and relieves by inhalation as a vapor and by absorption through the skin. For Asthma and Hay Fever, melt a little Vick's in a spoon and inhale the vapors, also rub well over the spinal column to relax the nervous tension. 25c, 50c, or \$1.00.

VICK'S VAPORUB SALVE

Housework Is a Burden

It's hard enough to keep house if in perfect health, but a woman who is weak, tired and suffering from an aching back has a heavy burden.

Any woman in this condition has good cause to suspect kidney trouble, especially if the kidney action seems disordered.

Doan's Kidney Pills have cured thousands of suffering women. It's the best recommended special kidney remedy.

A Kentucky Case

"My wife, Mrs. Mattie Moore, Princeton, Ky., says: 'My back pained me terribly and I thought I would go frantic. My limbs swelled and I was barely able to move. I had awful dizzy spells, too. As soon as I used Doan's Kidney Pills I felt better and before long they restored me to good health. I haven't had a sign of kidney trouble since.'"

Get Doan's at Any Store, 50c a Box.
DOAN'S KIDNEY PILLS
FOSTER-MILBURN CO., BUFFALO, N. Y.

His Sympathy.

"Tut, tut, muh brudder!" admonished good old Parson Gagster. "Don't say anything you'll be sorry for."

"Done said it a'ready, pahson!" replied Gin Johnson, the reformed gambling man. "I spoke de name o' Lank Fuller. Well, I'm sorry for po' Brudder Lank. Come along and see what happens to him, and you'll be sorry for him, too."—Kansas City Star.

It Sure Would.

"I have here an invention which, if universally adopted, would put an end to the horrors of war."

"You don't say so! What is it?"

"A nonexplosive gunpowder."

For Sprains,
Strains or
Lameness

Always Keep
a Bottle In
Your Stable



Rub It In

HANFORD'S
Balsam of Myrrh
A LINIMENT

For Galls, Wre
Cuts, Lameness,
Strains, Bunches,
Thrush, Old Sores,
Nail Wounds, Foot Rot,
Fistula, Bleeding, Etc., Etc.
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The Wretchedness
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Can quickly be overcome by
**CARTER'S LITTLE
LIVER PILLS.**

Purely vegetable
—act surely and
gently on the
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ness, and Indigestion. They do their duty.
SMALL PILL, SMALL DOSE, SMALL PRICE.
Genuine must bear Signature

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**BUY
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Don't pay a commission to an agent when it is to the manufacturer you must look for future service and attention. **ARMSTRONG MOTOR TRUCKS** are standardized in every detail, repairs and parts may always be obtained from your nearest garage. Write for catalog and information about buying a motor truck. The S. C. ARMSTRONG CO., Cincinnati, Ohio

**PARKER'S
HAIR BALM**
A toilet preparation of merit.
Helps to eradicate dandruff.
For Restoring Color and
Beauty to Gray or Faded Hair.
50c. and \$1.00 at Druggists.

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